

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|------------------|
| S1 | 277 | (hydrotalcite anion adj exchanger anionic adj2 clay (sheet layered) adj2 clay and anion adj exchanger) and (film layer coating membrane) and (sulfuric adj5 acid (sodium potassium alkali metal) adj sulfate H2SO4 Na2SO4 K2SO4 "H.sub.2 SO.sub.4" "Na.sub.2 SO.sub.4" "K.sub.2 SO.sub.4" (sulfate sulfo) adj group "SO.sub.2" (phosphoric orthophosphoric pyrophosphoric) adj acid phosphate near5 group "H.sub.3 PO.sub.4" heteropolyacid tungsto\$2silicic adj acid) and (insert\$4 intercalat\$4) with (heteropolyacid acid) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:49 |
| S2 | 93 | S1 and (sulfuric adj5 acid (sodium potassium alkali metal) adj sulfate H2SO4 Na2SO4 K2SO4 "H.sub.2 SO.sub.4" "Na.sub.2 SO.sub.4" "K.sub.2 SO.sub.4" (sulfate sulfo) adj group "SO.sub.2" and ((phosphoric orthophosphoric pyrophosphoric) adj acid phosphate near5 group "H.sub.3 PO.sub.4" heteropolyacid tungsto\$2silicic adj acid) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:49 |
| S3 | 15 | S1 and (bonded bonding cross\$2link\$2) with (sulfuric SO2 "SO.sub.2" sulfate phosphoric orthophosphoric pyrophosphoric phosphate PO4 "PO.sub.4") | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:51 |
| S4 | 4 | S2 and (252/500,518.1,519.1.ccls. 501/100.ccls. 502/4.ccls. 429/30,31,33,218.1,302.ccls. 204/520,515.ccls. 95/55.ccls. 422/211.ccls. 428/331,323.ccls. 210/500.21,500.25.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 12:00 |
| S5 | 1972 | (smectite kaolinite montmorillonite phyllosilicate hydrotalcite (sheet layered anionic) adj2 clay) and (sulfuric adj2 acid (sodium potassium alkali metal) adj sulfate H2SO4 Na2SO4 K2SO4 "H.sub.2 SO.sub.4" "Na.sub.2 SO.sub.4" "K.sub.2 SO.sub.4" (sulfate sulfo) adj group "SO.sub.2") and (modified treated activated bonded bonding cross\$2link\$2) with (sulfuric SO2 "SO.sub.2" sulfate) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:54 |
| S6 | 296 | S5 and (solid adj2 electrolyte membrane thin adj film ion adj conduct\$4 ion\$2conduct\$4 proton\$2conduct\$4 proton adj conduct\$4 fuel\$2cell fuel adj cell proton\$2exchange proton adj exchange) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 12:00 |
| S7 | 38 | S5 and ((phosphoric orthophosphoric pyrophosphoric) adj acid phosphate near5 group "H.sub.3 PO.sub.4" heteropolyacid tungsto\$2silicic adj acid) and (insert\$4 intercalat\$4) with acid | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:58 |
| S8 | 130 | S6 and (coating spreading cast\$4) with (liquid solution dispersion) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:56 |
| S9 | 47 | S8 and 'pH' near5 (chang\$4 adjust\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:56 |
| S10 | 41 | S9 and acid with (non\$2aqueous ethanol alcohol) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:57 |
| S11 | 3 | S8 and ((phosphoric orthophosphoric pyrophosphoric) adj acid phosphate near5 group "H.sub.3 PO.sub.4" heteropolyacid tungsto\$2silicic adj acid) and (insert\$4 intercalat\$4) with acid | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 11:59 |
| S12 | 27 | S6 and (252/500,518.1,519.1.ccls. 501/100.ccls. 502/4.ccls. 429/30,31,33,218.1,302.ccls. 204/520,515.ccls. 95/55.ccls. 422/211.ccls. 428/331,323.ccls. 210/500.21,500.25.ccls.) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 12:00 |
| S13 | 1 | proton adj conduct\$4.dm. and clay.cm. and (sulfate sulfuric "SO.sub.2").cm. and anion.cm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 12:00 |
| S14 | 7 | proton adj conduct\$4.dm. and clay.cm. and (sulfate sulfuric "SO.sub.2" SO2).cm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/06/24 12:01 |
| S15 | 48 | (thin adj film membrane) and (clay smectite montmorillonite phyllosilicate hydrotalcite) and (sulfate sulphate phosphate (sul\$2uric \$9phosphoric) adj2 acid) | EPO; JPO; DERWENT | OR | ON | 2006/06/24 12:01 |

EAST Search History

| | | | | | | |
|-----|----|-----------------------------------|---|----|----|------------------|
| S16 | 18 | arai near2 takuichi.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/06/24 12:01 |
| S17 | 9 | "200077080" "200215313" "1181327" | EPO; JPO; DERWENT | OR | ON | 2006/06/24 12:01 |